

# GRAVITY

A UNIQUE CAUSE OF  
ACCELERATION



WHY  
WEIGHTLESSNESS  
ON EARTH  
CANNOT BE SUSTAINED

An Experimental Option

J W Cahill



Jim Cahill is a Physicist and Engineer by training. He and his wife Barbara have been together for more than half a Century. Barbara is a Professional Mechanical Engineer, experienced Industrial Chemist, and careworn Mother. They are both farmers by obligation. Jim and Barbara have worked together for so many years that it is no longer possible to attribute particular insights to either party. Jim has written this book, but setting down the work is only the final part of the story.

Barbara and Jim stand together as equals, cooperating completely and unquestioningly, each compensating for the other's inadequacies - each reinforcing the other's strengths. Jim's name may stand Solo as Author, but the achievements are their Duets.

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## ACKNOWLEDGEMENT

My thanks go to the small number of decent human beings I have encountered along life's way. Some of them have never met me face to face. Each one did more on my behalf than I had any right to expect or even hope for. Without their unselfish actions I would not have been capable of this work.

The mistakes, weaknesses, and downright failures contained in this book are mine.

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## To Barbara

Where your insights end and mine begin I cannot say. Few have been blessed with a marriage which has prevailed through half a Century of struggle. Even fewer have experienced a degree of cooperation which has been as complete as ours has been. Thankyou for your support, inspiration, love, and understanding.

Jim.